

Overview of 2021 water withdrawal, discharges and use by country and river basin

2021 water withdrawal of our industrial assets by country, river basin and baseline water stress level (ML)¹

Country	River Basin (major / minor)	Baseline water stress level	# of sites	Surface water	Sea water	Ground water	Water imported from third parties	Total water Input	Category 1 - Input	Category 2 - Input	Category 3 - Input
Argentina	South America, Colorado / San Juan	Medium - High	1	11	0	0	0	11	11	0	0
Australia	Australia, East Coast / Burdekin	Low	2	4,790	0	1,121	1,914	7,825	1,834	3,170	2,820
	Australia, East Coast / Fitzroy	Low	1	3,760	0	3,040	2,283	9,082	1,582	2,216	5,284
		Low - Medium	1	2,434	0	1,154	3,034	6,622	273	2,160	4,188
		Medium - High	1	3,651	0	853	1,114	5,618	437	3,570	1,612
		High	1	1,531	0	3,193	0	4,723	536	1,842	2,346
	Australia, East Coast / Hunter	Low - Medium	8	58,708	0	17,401	614	76,722	7,041	50,645	19,036
	Australia, East Coast / MacQuarie / Tuggerah Lakes	Low	1	0	0	0	0	0	0	0	0
	Australia, East Coast / Ross	Low - Medium	1	23	0	28	150	202	150	0	52
	Australia, Interior / Salt Lake	Arid and Low Water Use	1	0	0	11,485	0	11,485	0	0	11,485
	Australia, North Coast / Leichhardt	High	5	660	0	4,646	31,127	36,433	4,285	542	31,607
	Australia, North Coast / McArthur	Low	1	3,059	0	4,018	0	7,077	743	737	5,597
	Murray - Darling / Darling	Arid and Low Water Use	1	17	0	103	917	1,037	88	0	948
Canada	Hudson Bay Coast / Bell	Low	1	9,436	0	1,761	0	11,197	4,220	0	6,977
	Hudson Bay Coast / Central Mattagami	Low	1	16,351	0	207	0	16,558	0	16,535	23
	Hudson Bay Coast / Rio de Puvirnituq	Medium - High	1	2,828	0	2,980	0	5,808	630	0	5,178
	St Lawrence / Montreal Island	Low	2	4,948	0	0	688	5,636	1,100	4,536	0
	St Lawrence / Upper Ottawa / Kinojevis	Low	1	20,055	0	402	659	21,115	8,553	11,775	788
	St Lawrence / Upper St Lawrence / Raisin	Low	1	55,411	0	646	7	56,064	7	56,013	44
	St Lawrence / Vermilion	Low	1	30,890	0	544	3,070	34,504	0	0	34,504
	St Lawrence / Wanapitei	Low	1	10,595	0	7,450	273	18,318	4,930	7,320	6,068

Country	River Basin (major / minor)	Baseline water stress level	# of sites	Surface water	Sea water	Ground water	Water imported from third parties	Total water Input	Category 1 - Input	Category 2 - Input	Category 3 - Input
Chad	Lake Chad / Efiar	Low	1	2	0	16	0	18	18	0	0
Chile	North Chile, Pacific Coast / Caracoles	Arid and Low Water Use	1	4,873	0	746	0	5,620	5,620	0	0
	North Chile, Pacific Coast / Negra	Arid and Low Water Use	1	0	0	613	2,287	2,900	498	0	2,402
Colombia	Caribbean Coast / Colombia	Low	1	223	0	84	0	307	0	307	0
	North Caribbean Sea Coast										
	Magdalena / Cesar	Low	1	7,828	0	1,164	0	8,992	0	8,992	0
	Magdalena / Magdalena 1	Low	1	8,505	0	2,249	0	10,754	0	10,754	0
Democratic Republic of Congo	Congo / Lulaba 3	Low	2	7,191	0	41,592	0	48,783	46,696	700	1,386
England	England and Wales / Thames Delta	Medium - High	1	34	0	0	33	67	67	0	0
Germany	Ems - Weser / Weser Delta	High	1	10,595	0	28	761	11,384	11,044	312	28
Italy	Mediterranean Sea Islands / Mannu	Extremely High	1	3,404	0	302	4	3,710	4	3,310	396
	Mediterranean Sea Islands / Tirso	Extremely High	1	51	0	18	6	76	6	69	0
Kazakhstan	Ob / Irtys	Low	14	19,269	0	40,694	24,225	84,187	24,336	16,337	43,514
		High	1	6,079	0	1,167	0	7,246	7,025	0	221
	Syr Darya / Sarysu	Low - Medium	1	134	0	10,698	411	11,243	10,995	0	248
New Caledonia	South Pacific Islands / New Caledonia	Low	1	89	18,536	99	0	18,724	189	18,536	0
Norway	Scandinavia, North Coast / West Norway Coast	Low	1	28	25,650	0	1,422	27,101	1,422	25,678	0
Peru	Amazon / Apurimac	Medium - High	1	2,542	0	36,173	428	39,142	428	2,542	36,173
	Amazon / Mantaro	Low - Medium	9	35,783	0	85,908	1,189	122,880	10,567	49,449	62,864
	Peru, Pacific Coast / Huaura	Low	1	1,621	0	3,420	0	5,041	375	3,369	1,297
	Peru, Pacific Coast / Lima Coast	Low	1	675	0	39	0	715	675	0	39
Philippines	Philippines / Visayan Islands	Low	1	46	80,519	0	3,283	83,849	1	80,566	3,282
South Africa	Limpopo / Olifants	High	11	6,197	0	17,217	1,117	24,530	1,250	2,504	20,777
	Limpopo / Krokodil	High	8	3,099	0	2,125	2,004	7,228	2,625	4,183	420

2021 water discharge of industrial assets by country, river basin and baseline water stress level (ML)¹

Country	River Basin (major / minor)	Baseline water stress level	# of sites	Discharge to surface water	Discharge to sea water / ocean	Discharge to groundwater	Water exported to third parties	Total water discharged	Category 1 - Output	Category 2 - Output	Category 3 - Output
Argentina	South America, Colorado / San Juan	Medium - High	1	0	0	0	0	0	0	0	0
Australia	Australia, East Coast / Burdekin	Low	2	8	0	0	0	8	0	8	2,086
	Australia, East Coast / Fitzroy	Low	1	46	0	82	0	128	0	0	784
		Low - Medium	1	0	0	0	0	0	0	0	2,454
		Medium - High	1	187	0	5	4	196	0	187	1,651
		High	1	0	0	0	0	0	0	0	2,346
	Australia, East Coast / Hunter	Low - Medium	8	27,614	0	0	1,876	29,490	0	18,273	20,120
	Australia, East Coast / MacQuarie / Tuggerah Lakes	Low	1	0	0	0	0	0	0	0	0
	Australia, East Coast / Ross	Low - Medium	1	0	0	0	0	0	0	0	0
	Australia, Interior / Salt Lake	Arid and Low Water Use	1	0	0	0	0	0	0	0	0
	Australia, North Coast / Leichhardt	High	5	0	0	1,590	19,133	20,724	21	0	28,426
	Australia, North Coast / McArthur	Low	1	1,340	0	0	0	1,340	1,340	0	941
	Murray - Darling / Darling	Arid and Low Water Use	1	0	0	0	0	0	0	0	0
Canada	Hudson Bay Coast / Bell	Low	1	8,576	0	0	0	8,576	0	8,576	279
	Hudson Bay Coast / Central Mattagami	Low	1	14,045	0	0	29	14,074	0	14,061	25
	Hudson Bay Coast / Rio de Puvirnituk	Medium - High	1	2,585	2	0	0	2,587	2,587	0	200
	St Lawrence / Montreal Island	Low	2	0	0	0	5,574	5,574	34	5,540	0
	St Lawrence / Upper Ottawa / Kinojevis	Low	1	13,080	0	90	70	13,240	0	13,080	321
	St Lawrence / Upper St Lawrence / Raisin	Low	1	55,927	0	0	0	55,927	0	55,927	48
	St Lawrence / Vermilion	Low	1	8,641	0	0	0	8,641	0	0	13,609
	St Lawrence / Wanapitei	Low	1	11,505	0	0	0	11,505	0	11,505	92
Chad	Lake Chad / Efan	Low	1	0	0	0	0	0	0	0	0
Chile	North Chile, Pacific Coast / Caracoles	Arid and Low Water Use	1	0	0	0	0	0	0	0	0
	North Chile, Pacific Coast / Negra	Arid and Low Water Use	1	0	0	0	156	156	156	0	427

2021 water use, reuse, recycling, change in storage and efficiency of our industrial assets by country, river basin and baseline water stress level (ML)¹

Country	River Basin (major / minor)	Baseline water stress level	# of sites	Water used in a task / process	Water recycled	Water reused	Change in water in storage	Water consumption	Average of Reuse / recycling efficiency
Argentina	South America, Colorado / San Juan	Medium - High	1	0	0	0	0	11	0%
Australia	Australia, East Coast / Burdekin	Low	2	6,202	0	642	-420	8,236	7%
	Australia, East Coast / Fitzroy	Low	1	3,345	0	2,412	2,110	6,844	42%
		Low - Medium	1	7,825	0	5,897	168	6,454	43%
		Medium - High	1	2,437	71	523	922	4,500	20%
		High	1	1,444	33	0	-244	4,968	2%
	Australia, East Coast / Hunter	Low - Medium	8	23,150	200	4,379	11,741	35,491	13%
	Australia, East Coast / MacQuarie / Tuggerah Lakes	Low	1	0	0	0	-56	56	0%
	Australia, East Coast / Ross	Low - Medium	1	150	0	0	0	202	0%
	Australia, Interior / Salt Lake	Arid and Low Water Use	1	11,483	0	688	2	11,483	6%
	Australia, North Coast / Leichhardt	High	5	32,573	110	27,454	434	15,276	34%
	Australia, North Coast / McArthur	Low	1	4,076	0	408	504	5,233	9%
	Murray - Darling / Darling	Arid and Low Water Use	1	985	0	226	0	1,037	19%
Canada	Hudson Bay Coast / Bell	Low	1	4,550	0	0	0	2,621	0%
	Hudson Bay Coast / Central Mattagami	Low	1	6,497	12,807	277	-161	2,645	67%
	Hudson Bay Coast / Rio de Puvirnituk	Medium - High	1	3,579	0	2,950	32	3,189	45%
	St Lawrence / Montreal Island	Low	2	5,026	425	0	0	62	4%
	St Lawrence / Upper Ottawa / Kinojevis	Low	1	9,272	2,792	0	0	7,875	23%
	St Lawrence / Upper St Lawrence / Raisin	Low	1	55,900	0	603	22	114	1%
	St Lawrence / Vermilion	Low	1	8,905	8,268	0	0	25,863	48%
	St Lawrence / Wanapitei	Low	1	11,421	3,389	220	0	6,813	24%
Chad	Lake Chad / Efiar	Low	1	0	0	0	0	18	0%
Chile	North Chile, Pacific Coast / Caracoles	Arid and Low Water Use	1	5,620	164	6,019	-1	5,621	52%
	North Chile, Pacific Coast / Negra	Arid and Low Water Use	1	3,532	54	578	-6	2,750	15%
Colombia	Caribbean Coast / Colombia North Caribbean Sea Coast	Low	1	156	0	0	0	244	0%

Country	River Basin (major / minor)	Baseline water stress level	# of sites	Water used in a task / process	Water recycled	Water reused	Change in water in storage	Water consumption	Average of Reuse / recycling efficiency
	Magdalena / Cesar	Low	1	379	3	0	5,313	32	1%
	Magdalena / Magdalena 1	Low	1	214	1	0	-413	89	0%
Democratic Republic of Congo	Congo / Lulaba 3	Low	2	36,255	6,267	15,129	548	29,732	43%
England	England and Wales / Thames Delta	Medium - High	1	33	0	0	-1	23	0%
Germany	Ems - Weser / Weser Delta	High	1	10,771	0	686	-2	706	6%
Italy	Mediterranean Sea Islands / Mannu	Extremely High	1	3,033	738	0	14	1,607	20%
	Mediterranean Sea Islands / Tirso	Extremely High	1	18	0	0	0	5	0%
Kazakhstan	Ob / Irtys	Low	14	60,509	98,524	157,576	-6,574	47,284	18%
		High	1	11,446	0	15,646	-2,476	9,723	58%
	Syr Darya / Sarysu	Low - Medium	1	4,167	0	3,259	8,191	2,878	44%
New Caledonia	South Pacific Islands / New Caledonia	Low	1	18,059	481	0	0	79	3%
Norway	Scandinavia, North Coast / West Norway Coast	Low	1	27,101	0	1,024	0	416	4%
Peru	Amazon / Apurimac	Medium - High	1	29,682	213	66,871	-3,257	22,236	69%
	Amazon / Mantaro	Low - Medium	9	18,707	9,821	2,586	0	8,934	29%
	Peru, Pacific Coast / Huaura	Low	1	343	0	1,359	-2	1,227	80%
	Peru, Pacific Coast / Lima Coast	Low	1	491	2,082	1,430	0	530	88%
Philippines	Philippines / Visayan Islands	Low	1	83,732	0	0	0	2,731	0%
South Africa	Limpopo / Olifants	High	11	16,758	186	5,511	1,616	20,063	16%
	Limpopo / Krokodil	High	8	5,459	469	5,422	168	6,130	32%
	South Africa, West Coast / Groot Berg	Extremely High	2	0	0	0	0	3	0%
	South Africa, South Coast / Inkomati	Low - Medium	1	682	12	162	30	2,179	20%
Spain	Spain - Portugal, Atlantic Coast / Northern Spain Coast	Medium - High	4	56,014	0	3,244	9	2,362	1%
United States of America	Atlantic Ocean Seaboard / Blackstone	Medium - High	1	1	0	0	0	1	0%
	California / Coyote	Low	1	0	0	0	0	0	0%
Zambia	Zambezi / Kafue 1	Medium - High	1	0	0	0	0	0	0%

1 This table covers data from our industrial assets where we have operational control, excluding the following parts of the Glencore Group where their water-related contribution is immaterial:

- Minor storage units (i.e., silos, warehouses, terminals, etc.) and non-coal port facilities
- Offices not associated with industrial assets
- Industrial assets that were not operational or did not report any water data in the reporting period.